

New Abstract

A detector for detecting movements which, in its simplest form of embodiment, has one exciter magnet: (EM) and only one individual pulse wire (FE) with one induction coil (SP1) and with a sensor (SP2, HS) for determining polarity and position of the moveable exciter magnet (EM). All information is simultaneously determined at the time (T_s), that the ferromagnetic element (FE) is triggered and remagnetized by said magnet (EM). For counting operation a further information about the last established position and polarity of the exciter magnet is used, which is stored in a nonvolatile memory (36) of an associated evaluation circuit.